

AASHTO LRFD, 3rd Edition; Design for Steel Bridge Superstructures

Course Description

In this one-day course offered by FHWA in partnership with NSBA, the latest developments in the AASHTO LRFD Bridge Design Specifications related to the design of steel I-section flexural members for bridges will be discussed. The application of these new provisions will be illustrated via a design example of a three span continuous steel I-girder bridge. An overview of issues related to fabrication and construction economy and how design decisions may impact project economy is also included.

Who Should Attend?

- DOT Bridge Design Engineers & Consulting Engineers
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Why Attend?

By October 2007 all bridges receiving federal funding must be designed by AASHTO's LRFD Bridge Design specifications. The Indiana DOT has begun the transition to this new design philosophy. This course will offer a "refresher" of the LRFD design procedures and give you a 'jump start' on the implementation of the latest AASHTO steel bridge design requirements.

Workshop Outline

7:30 am Registration
8:00 am Welcome, Introductions
8:15 am Introduction to LRFD, Loads & Load Distribution – Tom Saad, P.E., FHWA
9:30 am Introduction to the AASHTO 3rd Edition Unified Specification - Michael Grubb, P.E., BSDI
10:30 am Break
10:50 am Steel Girder Design Example - Michael Grubb, P.E., BSDI
Noon Lunch
1:00 pm Steel Girder Design Example - continued
2:15 pm Break
2:30 pm Steel Girder Design Example - continued
3:30 pm Design for Fabrication / Construction Economy – Bill McEleney, NSBA
4:30 pm Adjourn

What's Included?

Handouts will be provided to assist you in learning and implementing the information. Each attendee will receive the following:

- Booklet containing copies of all PowerPoint slides presented
- Compact Disc (CD) containing steel girder design example (120 pages), AASHTO/NSBA Guidelines for Constructability, and other related documents



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Continuing Education Units

Each participant will receive a certificate from NSBA awarding 0.65 CEUs (6.5 PDHs) upon completion of the workshop.

When, Where

DATE: Thursday, February 16, 2006

LOCATION: The Atrium, 3143 East Thompson Road, Indianapolis, IN 317-782-4467

Registration Fees

Consultants	\$195.00 each
Academic	\$100.00 each
Students	\$50.00 each

Cancellation Policy: Substitutions may be made at any time. Cancellations are not allowed. Seating is limited so reservations will be on a first come basis.

Registration Form

Name _____

(Attach additional sheets for additional registrations if needed.)

Name for Badge _____

Organization _____

Address _____

City _____ State _____ Zip _____

Phone _____ Fax _____

Email _____

PAYMENT TOTAL (See above for fees): \$ _____

Payment must accompany registration form.

Mail Payments and Registration forms for receipt by *February 9, 2006* to:

Paying by check – mail this completed registration form and a check, **payable to NSBA** to:

NSBA Seminars
11708 Jackson Rd
Omaha, NE 68154

Paying by credit card – fax this completed registration form with cardholder name, credit card number and expiration date to 402-778-9499

Registration questions – call 402-758-9099